

Recombinant Human CSTA Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CSTA-1891H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CSTA MS Standard C13 and N15-labeled recombinant protein (NP_005204) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The cystatin superfamily encompasses proteins that contain multiple cystatin-like sequences. Some of the members are active cysteine protease inhibitors, while others have lost or perhaps never acquired this inhibitory activity. There are three inhibitory families in the superfamily, including the type 1 cystatins (stefins), type 2 cystatins, and kininogens. This gene encodes a stefin that functions as a cysteine protease inhibitor, forming tight complexes with papain and the cathepsins B, H, and L. The protein is one of the precursor proteins of cornified cell envelope in keratinocytes and plays a role in epidermal development and maintenance. Stefins have been proposed as prognostic and diagnostic tools for cancer.
Molecular Mass	11 kDa
AA Sequence	MIPGGLSEAKPATPEIQEIVDKVKPQLEEKTNETYGKLEAVQYKTQVVAGTNYIYKVR AGDNKYMHLKVKFSLPGQNEDLVLTGYQVDKNKDDELGTGFTTRTRPLEQKLISEEDLA ANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	CSTA cystatin A [Homo sapiens (human)]
Official Symbol	CSTA
Synonyms	CSTA; cystatin A; AREI; PSS4; STF1; STFA; cystatin-A; cystatin A (stefin A); cystatin AS
Gene ID	1475
mRNA Refseq	NM_005213
Protein Refseq	NP_005204
MIM	184600
UniProt ID	P01040

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SDS-PAGE



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